DB2-OS390

> **Description:** DB2 is a multi-platform Relational Database Management System (RDBMS) that provides greater openness, availability, performance, flexibility, connectivity and ease of use. DB2 offers the strongest solution for today's ever-changing eGovernment and eCommerce data management requirements, with enhancements to make your organization's data and databases more:

- Accessible from any workstation, via local networks and the Internet
- Applicable, allowing greater flexibility to meet your business needs
- Scalable, enabling economical growth of your databases and your business
- Reliable, available 24 hours a day, 7 days a week
- Manageable, easier to administer, program and use
- Powerful and efficient through parallelism (CPU and I/O)
- Extensible, able to handle more and larger types of objects and applications
- Business intelligent, using the data assets to formulate business critical decisions

Standard, Additional Features:

- *Audio, Image and Video Extender* adds the power of audio, image and video to queries.
- *Text Extenders* allow full-text searching with powerful linguistic functionality.
- *Text Information Extenders* provide full-text search integrated in DB2 optimizer.
- *XML Extenders*. XML is the standard for data interchange for the next generation of business-to-business, eCommerce solutions. With the DB2 XML Extender it is easy to leverage critical business information in DB2 databases to engage in business-to-business solutions using XML-based interchange format.

Available Optional Features:

- *Spatial Extenders* gather and analyze spatial data and traditional business data
- *Net Search Extenders* support fast indexing of very large data volumes with high-speed searching and with a large number of concurrent users

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Teale Services and Support*:* The DB2/UDB Unit at Teale provides the following services:

1. Installing and supporting database software products, including Teale Client Database Administrator (DBA) Productivity Tools
2. Configuring appropriate parameters to sustain the database management system runtime environment
3. Granting autonomy to the Client DBA, providing direct client departmental control in the implementation and management of their database and related applications
4. Assisting Client DBAs with:
   - Creating DB2 objects (i.e., Database, Table Spaces, Tables, Views and Indexes)
   - Controlling access to their DB2 resources
   - Setup of database backup process
   - Setup of database recovery process
   - Performance and tuning
   - Migrating to new releases of DB2
   - Problem determination
5. Primary contact between customer and vendor
6. Teale procurement staff manage the contracts for the licensed database products

Teale also offers operational recovery services for critical customer databases on a subscription basis. Please contact your Teale Customer Relations Representative for details.

Teale DB2 customers are responsible for the following:

1. Logical design and physical database implementation
2. Application design, development, testing and documentation
3. Implementation of database security
4. Designing, implementing and monitoring database backups in accordance with database availability and business needs
5. Coordinating with Teale DB2 support staff, if DB2 log retention is required beyond 30 days
6. Loading tables with data
7. Establishing change management procedures for activities affecting databases
8. Monitoring and maintaining databases that can be automated with existing tools
9. Based upon database load/delete/update activities, keep statistics current
10. Based upon database load/delete/update activities, check the Table space utilization to determine if a reorganization is required

11. Monitoring database growth to ensure adequate space for additional growth
12. Rebinding plans to utilize new statistical information, if necessary

➢ **Benefits:** DB2 allows users to quickly implement mission-critical web-applications and business solutions, such as, electronic commerce (transactional), enterprise resource planning, decision support with flexible security and unlimited access from mobile and desktop users.

Non-product specific benefits:

- Ability to obtain almost unlimited training for one year at a fixed cost by purchasing an IBM Education Card. This card also provides access to IBM Technical Conferences.
- Local user group with monthly meeting where various vendors, including IBM, present information on DB2 (i.e., tools, future enhancements and product direction).
- Excellent, knowledgeable and team-oriented local support through the Sacramento IBM office.

➢ **When to Use:** DB2 can be utilized at the early stages of project implementation or be interfaced with existing applications. DB2 can also be used to obtain total database administration control over a project without the system administrative responsibilities.

➢ **How to Obtain:** Call your Teale Customer Relations Representative at (916) 464-3712 (CALNET 433-3712).